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| Course: | SBI3U | | Unit: | Genetics | | Lesson: | #7 Dihybrid Crosses | |
| **STUDENT LEARNING GOALS**: | | | | | **MATERIALS/APPENDICES**  Quick Quiz for class #6  All Crossed Up! Handout | | | |
| **MINISTRY EXPECTATIONS**:  d2.3 use the Punnett square method to solve basic genetics problems involving monohybrid crosses, incomplete dominance, codominance, dihybrid crosses, and sex-linked genes [PR, AI, C] | | | | | Agenda:  Quick Quiz  All Crossed up!  The Dihybrid Cross  Independent Assortment | | | |
| PRIOR KNOWLEDGE: | | | | |
|  | | T/L STRATEGIES | | | RATIONALE | | | ASSESSMENT |
| A MINDS ON | | 1) Quick Quiz (7 min) | | | | | | |
| 2) All Crossed Up! (15 min)  Work in table groups to figure out the ‘All Crossed Up problem’ | | | | | | |
| B ACTION | | 1. All Crossed up Takeup on board   On the blackboard we will takeup the problem and discuss the Law of Independent Assortment  Making Gametes  Crossing Gametes (Punnett)  The Product Rule –  The 9:3:3:1 Ratio | | |  | | |  |
|  | | 2) Dihybrid Cross worksheet  Crosses with multiple genes | | |  | | |  |
|  | | 3) | | |  | | |  |
| C CONSOLID-ATION &  CONNEC-TION | | 1) Next class -  Is everything dominance?  What happens for skin colour, height    2) | | |  | | |  |
| NEXT STEPS | |  | | |  | | |  |
| Comments: | | | | | | | | |